Performance Data Sheet

AWF5532EXT

General Information

Model	AWF5532EXT	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-15	Btu/h	8310	7270					
	Watts	1280	1250					
	Amps	4.68	4.64					
	Lb/h	107	97.7					
-10	Btu/h	10200	9040	7940				
	Watts	1400	1400	1390				
	Amps	4.93	4.93	4.95				
	Lb/h	131	121	111				
-5	Btu/h	12200	11000	9800	8620			
	Watts	1510	1530	1540	1550			
	Amps	5.15	5.19	5.25	5.30			
	Lb/h	156	146	135	124			
0	Btu/h	14500	13200	11900	10600	9260		
	Watts	1610	1640	1680	1720	1740		
	Amps	5.35	5.42	5.52	5.61	5.69		
	Lb/h	184	173	162	151	139		
5	Btu/h	17000	15600	14100	12700	11300		
	Watts	1690	1750	1810	1860	1910		
	Amps	5.51	5.63	5.77	5.91	6.03		
	Lb/h	214	203	192	180	167		
10	Btu/h	19800	18200	16600	15000	13400	11800	10200
	Watts	1760	1840	1920	2000	2070	2120	2140
	Amps	5.65	5.81	5.99	6.18	6.35	6.48	6.55
	Lb/h	247	235	224	211	198	183	167
15	Btu/h	22800	21000	19200	17500	15800	14000	12300
	Watts	1820	1920	2020	2120	2210	2290	2330
	Amps	5.77	5.97	6.20	6.43	6.65	6.83	6.95
	Lb/h	283	270	258	245	231	215	198
20	Btu/h	26000	24100	22100	20200	18400	16400	14500
	Watts	1870	1990	2110	2240	2350	2450	2520
	Amps	5.87	6.11	6.38	6.66	6.93	7.16	7.34
	Lb/h	321	308	295	281	266	250	232

25	Btu/h	29500	27400	25300	23200	21100	19000	16900
	Watts	1910	2050	2200	2340	2480	2590	2690
	Amps	5.94	6.23	6.54	6.87	7.19	7.48	7.71
	Lb/h	362	348	335	320	305	288	269
30	Btu/h	33300	31000	28700	26400	24100	21800	19500
	Watts	1940	2100	2270	2430	2590	2730	2850
	Amps	6.00	6.33	6.69	7.07	7.44	7.78	8.07
	Lb/h	406	392	377	362	345	328	308
35	Btu/h	37400	34800	32300	29900	27400	24900	22300
	Watts	1960	2140	2330	2520	2700	2860	3000
	Amps	6.03	6.41	6.82	7.25	7.67	8.06	8.41
	Lb/h	453	438	422	406	389	370	350
40	Btu/h	41700	39000	36300	33500	30800	28100	25400
	Watts	1970	2170	2380	2590	2790	2980	3140
	Amps	6.06	6.48	6.94	7.41	7.89	8.34	8.74
	Lb/h	503	487	471	454	436	416	394
45	Btu/h	46400	43400	40500	37500	34600	31600	28600
	Watts	1970	2190	2420	2660	2880	3090	3280
	Amps	6.06	6.53	7.04	7.57	8.09	8.60	9.06
	Lb/h	556	539	522	504	485	464	442
50	Btu/h	51400	48200	44900	41700	38600	35300	32100
	Watts	1970	2210	2460	2710	2960	3190	3400
	Amps	6.05	6.57	7.13	7.71	8.29	8.85	9.37
	Lb/h	612	595	577	558	537	516	492
55	Btu/h	56700	53200	49700	46300	42800	39300	35800
	Watts	1960	2220	2490	2760	3030	3290	3520
	Amps	6.03	6.60	7.20	7.84	8.47	9.10	9.68
	Lb/h	672	653	634	614	593	570	545

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.830941E+04	2.414653E+03	7.985773E+00	3.102781E+02
C2	6.720113E+02	-1.161628E+01	-1.003261E-02	6.229431E+00
C3	-2.232795E+02	-3.182009E+01	-9.471418E-02	-2.473656E+00
C4	6.640303E+00	-2.239246E-01	-6.480795E-04	5.746521E-02
C5	-2.377183E+00	3.176897E-01	3.757752E-04	-2.189815E-03
C6	8.338445E-01	3.782673E-01	1.054640E-03	1.610917E-02
C7	1.310851E-02	6.496490E-04	1.869423E-06	1.157780E-04
C8	-2.651635E-02	-2.457998E-04	1.519955E-06	-1.029407E-04
C9	-4.635781E-04	6.239019E-04	2.470919E-06	-3.752631E-05
C10	-2.465719E-03	-1.334563E-03	-3.541383E-06	-6.166192E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature